

SARA TITLE III SECTION 313 INSPECTION REPORT
09-313U-027

I. **Date of Inspection:** July 27, 2009

II. **Facility:** Amerimax Home Products, Incorporated
450 Richardson Drive
Lancaster, Pennsylvania 17603

III. **Facility Description:** The facility is located in a suburban, residential, industrial area. The size of the facility is approximately 226,000 square feet. The grounds consist of a paved automobile and tractor trailer parking areas. What little grass areas that were observable were neatly kept. The buildings appeared to be maintained in good condition.

IV. **NAICS:** 332321

V. **Process:** A process description is presented as Attachment C3.

VI. **EPA Inspector:**

Abraham Reich
Environmental Scientist/Inspector
Toxics Programs & Enforcement Branch (3LC61)
(215) 814-2157

VII. **Company Officials:**

Vincent J. Kehs
Senior Process and Materials Engineer
717-715-8436

Rane A. Wilson, PG
Geosciences Group Manager
Environmental Resources
RETTEW
3020 Columbus Ave.
Lancaster, PA 17603
717-394-3721 Ext. 3222

VIII. **Purpose of Inspection:**

This inspection was conducted to examine, document, and verify the facility's compliance with the reporting requirements stated in 40 C.F.R. Part 372 under Section 313 of SARA Title III.

IX. Sara Title III:

A plant, factory, or other facility comes under the provisions of Section 313 if it meets all three of the following criteria;

1. The facility is included in Standard Industrial Classification (SIC) codes 10 (except 1011, 1081, and 1094), 12 (except 1241), 20 to 39, 4911, 4931, 4939 (limited to facilities that combust coal and/or oil for the purpose of generating electricity for distribution in commerce), 4953 (limited to facilities regulated under the RCRA Subtitle C, 42 U.S.C. Section 6921 *et seq.*), 5169, 5171, and 7389 (limited to facilities primarily engaged in solvents recovery services on a contract or fee basis); and
2. It has 10 or more full-time employees (or the equivalent 20,000 hours per year).
And
3. It manufactures (including imports), or processes, or otherwise uses a listed toxic chemical during any calendar year in amounts greater than the threshold quantities specified below.

Thresholds are specific amounts of toxic chemicals used during the calendar year that triggers reporting requirements.

1. If a listed toxic chemical is manufactured, imported or processed, the threshold quantity is 25,000 pounds per toxic chemical or category over the calendar year.
2. If a listed toxic chemical is otherwise used (without incorporating it into any product or producing it at the facility), the threshold quantity is 10,000 pounds per toxic chemical or category over the calendar year.
3. Starting with calendar year 2000, manufactured, processed, or "otherwise- use" thresholds of these additional chemicals also called Persistent Bioaccumulative Toxic Chemicals (PBT) are as follows;

100 pounds - aldrin, methoxychlor, pendimethalin, polycyclic aromatic compounds, tetrabromobisphenyl A, trifluralin;

10 pounds - chlordane, heptachlor, mercury, mercury compounds, toxaphene, isodrin, polychlorinated biphenyls, benzo(g,h,i)perylene, hexachlorobenzene, octachlorostyrene, pentachlorobenzene;

0.1 grams - dioxin and dioxin - like compounds.

Possible candidate for socio-economic program consideration

Labor surplus area:

N/A

Small Business:

N/A

8(A) firm:

N/A

The details provided in the Government Activity section are as reported to Dun & Bradstreet by the federal government and other sources.

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4. Starting with calendar year 2001, manufactured, processed, or "otherwise- use" of the chemical lead in amounts greater than or equal to the amounts specified, a Form R is required:

100 pounds - lead which is not contained in stainless steel, brass, or bronze alloy.

100 pounds - lead compounds.

X. Opening Conference:

1. Inspection Procedures and General Information:

On July 27, 2007, a Section 313 inspection was conducted at Amerimax Home Products, Inc. On July 14, 2009, prior to the inspection, a letter was sent to the company confirming the date of the inspection and requesting the availability of documentation (attachment C2). The EPA inspector met with company representatives at 1020. The inspector's credentials were presented and a Notice of Inspection was presented and explained (Attachment A). Mr. Kehs signed the notice and outlines of the areas to be investigated were discussed. Requested invoices, chemical summaries, and Section 313 chemical usages were examined prior to doing a walkthrough of the facility.

XI. Summary:

Section 313 was the primary focus of the inspection. The facility was telephoned on July 13, 2009, to determine if an inspection was warranted (attachment C1). A copy of the notice of inspection was sent to the Superfund Removal Branch to allow them the option to further investigate compliance with Sections 302, 311, and 312 at their discretion.

Mr. Kehs stated that the plant's primary NAICS code is 332321. The remainder of the inspection involved determining if the plant manufactured, processed, or otherwise used any one of the listed toxic chemicals in excess of the threshold in calendar year 2007.

The facility had submitted Form R's for the year 2007 for Xylene and N-butyl alcohol to the State of Pennsylvania but not to the Federal Government (Attachment C4).

The number of employees and sales for the year being examined are as follows:

	2006	2007	2008
Employees: (approximately)		347	
Sales: (approximately)		157MM	

For the inspection, they had compiled summaries of usages of Section 313 chemicals as shown in attachment C3. The company did not file for metals in 2007 or 2006. Section 313 chemicals are summarized as follows:

<u>CAS Number</u>	<u>Chemical</u>	<u>Usage in Pounds</u>		
		2006	2007	2008
1330-20-7	Xylene *		53,600	
71-36-3	n-Butyl Alcohol*		32,154	
7439-96-5	Manganese	154,659	158,828	
7440-47-3	Chromium	45,487	46,714	

*Submitted to the State

XII. Closing Conference:

Chemical usage records and Material Safety Data Sheets (MSDS) were requested by the EPA Inspector and the SARA Title III Section 313 investigation was concluded. Receipts for samples and documents were completed (attachment B) at the conclusion of all inspection activities.

XIII. Attachments:

- A. Notice of Inspection
- B. Receipts for Samples and Documents
- C.
 - 1. Initial Telephone Call Record
 - 2. Letter to Facility Confirming Date of Inspection
 - 3. MSDS and Aluminum "certification analysis" sheets
 - 4. Summary of Section 313 chemicals
 - 5. Analysis Sheet
 - 6. Brochures

XIV. Summary of Findings:

Amerimax Home Products, Inc. did not submit a Form R under Section 313 of SARA Title III for the reporting year 2007. The records showed that the facility had greater than 10 employees (347 for the year being examined) and is a manufacturer (NAICS Code 332321) in addition, the records showed that the facility **did exceed the threshold** for the following listed Section 313 chemical:

<u>Chemical</u>	<u>Reporting Year</u>	<u>Amount (Lbs.) Manufactured (M) Processed (P) Otherwise Used (O)</u>	<u>Form R Due</u>
Xylene*	2007	53,600 (O)	Y
N-Butyl Alcohol*	2007	32,154 (O)	Y
Manganese	2007	158,828 (P)	Y
Chromium	2007	46,714 (P)	Y
Manganese	2006	154,659 (P)	Y
Chromium	2006	45,487 (P)	Y

*Have submitted report the State of Pennsylvania but no Federal Filing.



NOTICE OF INSPECTION
U.S. ENVIRONMENTAL PROTECTION AGENCY
Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA)

1. INVESTIGATION IDENTIFICATION			2. TIME
DATE	INSPECTOR NO.	DAILY SEQ. NO.	
7-27-89	011		1020
4. INSPECTOR ADDRESS			
U.S. EPA REGION III (3LC61) 1650 ARCH STREET PHILADELPHIA, PA 19103			

Amerimax Home Products, Inc.
450 Richardson Dr.
Lancaster, Pennsylvania 17603

REASON FOR INSPECTION: This inspection is for the purpose of determining compliance with the Emergency Planning and Community Right-to-Know Act of 1986, Section 313 toxic chemical release reporting requirements. The scope of this inspection may include, but is not limited to: reviewing and obtaining copies of documents and records; interviews and taking of statements; reviewing of chemical manufacturing, importing, processing, and/or use facilities, including waste handling and treatment operations; taking samples and photographs; and any other inspection activities necessary to determine compliance with the Act.

INSPECTOR SIGNATURE <i>Abraham Reich</i>		RECIPIENT SIGNATURE <i>Vincent J. Kells</i>	
NAME ABRAHAM REICH		NAME VINCENT J. KELS	
TITLE INSPECTOR	DATE SIGNED 7-27-89	TITLE SR PROC. & MAT'L ENG	DATE SIGNED 7-27-0



RECEIPT FOR SAMPLES AND DOCUMENTS

1. INVESTIGATION IDENTIFICATION			2. FIRM NAME
DATE 7-27-09	INSPECTOR NO. 011	DAILY SEQ. NO.	Amerimax Home Products, Inc. 450 Richardson Dr. Lancaster, Pennsylvania 17603
3. INSPECTOR ADDRESS			
U.S. EPA REGION III TOXICS PROGRAMS BRANCH (3LC61) 1650 ARCH STREET PHILADELPHIA, PA 19103			

The documents and samples of chemical substances and/or mixtures described below were collected in connection with the administration and enforcement of the Emergency Planning and Community Right-to-Know Act of 1986.

RECEIPT OF THE DOCUMENT(S) AND/OR SAMPLE(S) DESCRIBED IS HEREBY ACKNOWLEDGED:

NO.	DESCRIPTION
001	Emergency 2007
002	Labels
003	Process Data
004	Submission to PARAD / 2 FORM R (xylene, n-butyl Alcohol)
465A+B	M9D5 + test analysis for Chromium
046	M9D5 steel

Chemical identities for underlined items have been claimed as trade secret. The facility official requesting such treatment has read and understands EPCRA Section 322 and pertinent trade secret regulations and understands EPCRA Section 325 which provides for (among other things) penalties for frivolous claims.

INSPECTOR SIGNATURE 		RECIPIENT SIGNATURE 	
NAME ABRAHAM REICH		NAME VINCENT J. MCKEL	
TITLE INSPECTOR	DATE SIGNED 9-27-09	TITLE SR. PROCESS & MAT'L ENG	DATE SIGNED 7-27-09

EPA Region III
Initial Telephone Call Record

Date of Call: 7-13-89

Facility Name: Amerimax Home Products Inc.

Facility Address: P.O. Box 4515 Lancaster PA 17604-4515 450 Richardson Dr Lancaster 17603-4031

County: Lancaster

Phone Number: 717-259-3711

Facility Contact: Richard C Anderson Lenny Weitzer no longer with company Plant Manager

Inspector Making Call: A. Reich

SIC Code: _____ Emp.: 7 Fac. Size: 3-9 K ft square \$ _____

NAICS Code: 332321 metal canning & more

Call: left msg 2/18

Send Info.: _____

1) Are you familiar with SARA Title III? Yes _____ No _____
(If yes, move to question 2. If no, give a brief explanation).

2) Are you familiar with Section 313 of SARA Title III? Yes _____ No _____

3) Did you report under Section 313 for the 200__ Reporting Year? Yes _____ No _____

4) Did you report under Section 313 for the 2006 Reporting Year? Yes ✓ No _____

5) Did You report under Section 313 for the 2007 Reporting Year? Yes _____ No ✓

6) Business: Audit 7/28 9/9³⁰ am

7) No. of employees: 200__ (____), 200__ (____) 200__ (____)

- 3) Do you use any chemicals at your facility? Yes _____ No _____
- 9) Do you use any Section 313 Chemicals? Yes _____ No _____
Section 313 chemicals Used: _____

- 10) Did you determine if you are subject to Section 313 reporting? Yes _____ No _____
- 11) Did your facility report under Section 302 (Notification of SERC if an EHS is present on your site at quantities above TPQ's) and Section 303 (If subject to Section 392, notified LEPC of a selection of a facility representative). Yes _____ No _____
- 12) Did your facility report under Section 311 (Submission of MSDS's or a list of MSDS chemicals to SERC, LE PC, and local fire departments by 10.17/87 if applicable thresholds were exceeded). Yes _____ No _____
- 13) If your facility needed to comply with Section 311, did your facility submit the required Tier I or Tier II forms to the appropriate agencies for:
- A) The 200__ Reporting year by 03/01/9__? Yes _____ No _____
- B) The 200__ Reporting Year by 03/01/0__? Yes _____ No _____
- C) The 200__ Reporting Year by 03/01/0__? Yes _____ No _____
- 14) Did the phone call result in an inspection? Yes _____ No _____
If yes, Date: _____, and Time: _____
- 15) Comments: _____



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

July 14, 2009

Mr. Vincent Case
Amerimax Home Products, Inc.
P.O. Box 4515
Lancaster, Pennsylvania 17604-4515

RE: Superfund Amendments and Reauthorization Act (SARA) Title III Section 313 Inspection

Dear Mr. Case: ¹⁵⁶⁴⁵

This letter is to confirm that on July 27, 2009, at 10:30 a.m., the U.S. Environmental Protection Agency (EPA), Region III will conduct an inspection of your facility at 450 Richardson Dr.; Lancaster, PA 17603. This inspection will be conducted pursuant to the Emergency Planning and Community Right-to-Know Act (EPCRA). EPA's primary focus during this inspection will be to gather information regarding compliance with Section 313 of EPCRA.

The inspection will be conducted by Mr. Abraham Reich. Mr. Reich is assisting the Environmental Protection Agency (EPA) under a cooperative agreement with the Senior Service America, Incorporated (SSAI) as part of the Senior Environmental Employment (SEE) Program. Part of the technical assistance that Mr. Reich provides to the EPA are inspection services under my direction and monitoring pursuant to EPCRA, SARA Title III. As a SEE enrollee, Mr. Reich is authorized by EPA to have access to Confidential Business information (CBI), and has signed a Non-Disclosure agreement regarding such information.

To save time during the inspection, please have available for review and collection by the inspector copies of the following documents for the **2007** calendar year:

- Names and Chemical Abstract Service (CAS) numbers of all EPCRA Section 313 chemicals used, number of employees, and sales for the years specified above;
- Annual usage summaries (pounds) of each EPCRA Section 313 chemical with supporting documentation for each year indicated above (supporting documentation should include such items as beginning and end of year inventory, purchase records, and if applicable, import records);
- Chemical production records for all Section 313 chemicals or chemical categories manufactured, processed, or otherwise used at your facility.

Note: If your facility manufactures, processes, or otherwise uses mixtures which contain Section 313 chemicals, please provide for each of these mixtures a copy of the Material Safety Data Sheet (MSDS), or other written notification which specifies the chemical composition of the mixture.

In addition to the above items, **please provide a brief summary of your manufacturing process** and notify Mr. Reich of any safety equipment (e.g. eye or ear protection, safety shoes, hard hat, etc.) he should bring with him to the inspection. If time permits, he will tour your plant. Should you have any questions, please call Mr. Reich at (215) 814-2157.

Sincerely,

Craig E. Yussen
EPCRA Section 313 Compliance Coordinator
EPA Region III

Attachment: EPCRA Fact Sheet
cc w/o Attachments: Section 313 State contact
EPA: Michelle Price-Faye (3HS61)

Process Description

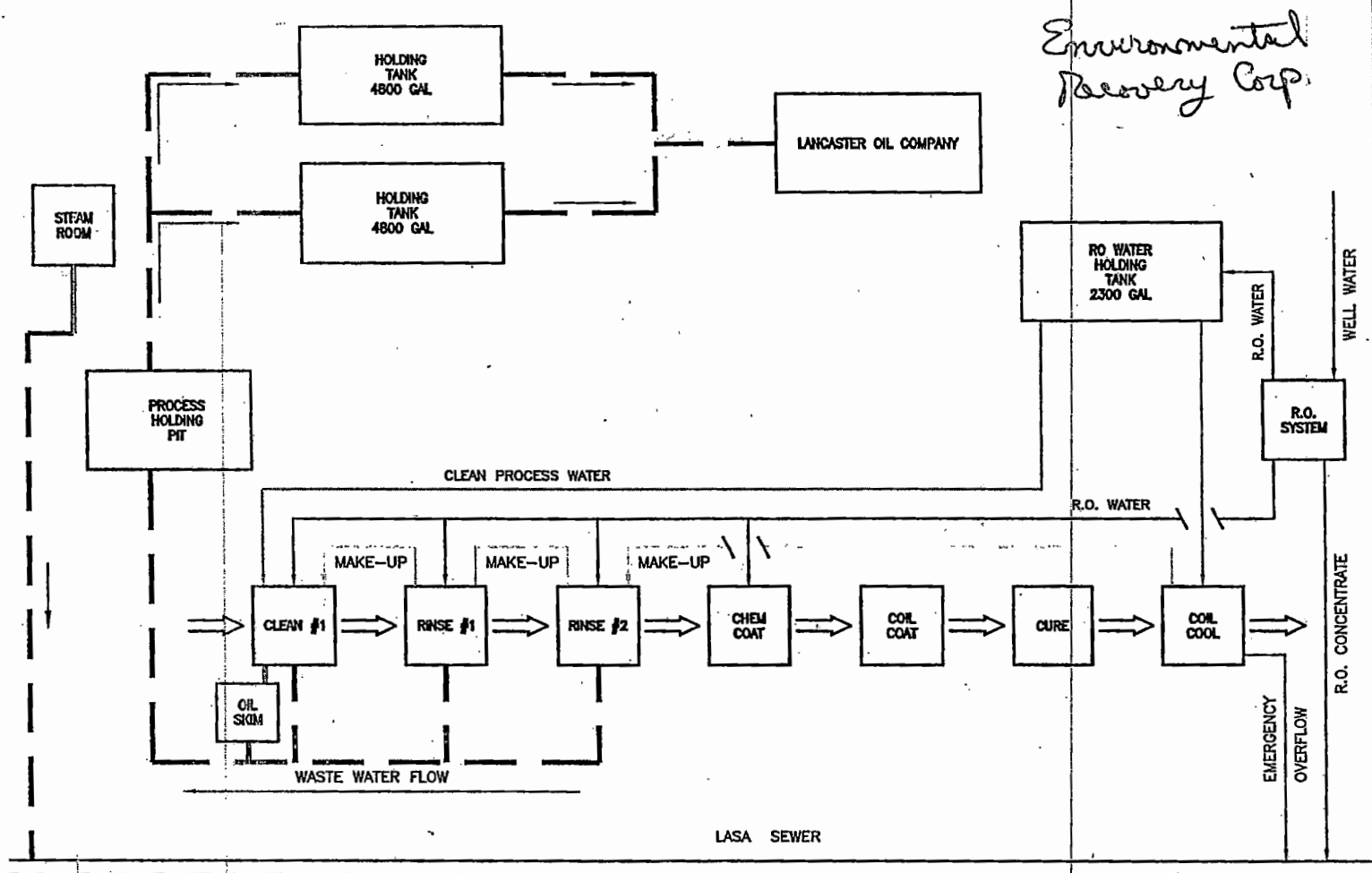
Amerimax Home Products Inc. operates a continuous coil coating line at its Lancaster facility. This line cleans, chemically pretreats, and reverse roll coats both aluminum and steel coils with polyester paint. The waste effluent that is generated comes from the cleaning and rinsing sections of the line.

The coils are sprayed with an alkaline (potassium hydroxide) cleaner to remove rolling oils, dirt, and metal fines in preparation for painting. The cleaner bath is approximately 1.5% cleaner mixed with water. When the bath has been spent, it is dumped into a one of two 4800 gallon holding tanks for waste disposal. This effluent has been tested several times in the past. We know from experience that the effluent contains water, potassium hydroxide based cleaner, rolling oils, dirt, and minor amounts of metal fines. The cleaner effluent is in the range of 11.0-12.0. After it is mixed with effluent from the two rinse tanks, the resultant effluent is between 9.5 ph and 10.5 ph and is non hazardous. No waste effluent is discharged to the Lancaster Area Sewer Authority system. Amerimax Home Products is considered a (categorical) zero waste water discharger by the Lancaster Area Sewer Authority.

The waste effluent is shipped to Environmental Recovery Corp. when sufficient quantity has been accumulated. All shipments are checked for PCBs, arsenic, cadmium, chromium, lead, halogens, and flash point at Lancaster Oil. All emulsified and free oils are removed. The water is then passed through a series of filters and made acceptable for discharge to the Lancaster Area Sewer Authority under their POTW permit.


The process and bath sections have not changed in decades. Amerimax has had no problems with the testing done at Environmental Recovery Corp.

Richard Anderson 1/24/07



AMERIMAX HOME PRODUCTS, INC.
STRIP COATING WASTE WATER PROCESS

DRAWN:	DCM	DATE:	7/1/98
CHECKED:		DATE:	
APPROVED:		DATE:	
SCALE:			
ASSET NUMBER			

Amerimax 
HOME PRODUCTS, INC.
WASTE WATER SYSTEM

	GENERAL REVISION TO UPDATE	---
DATE	CURRENT REVISION	APPROVED

ASSET DESCRIPTION

SIZE
A

DWG NO.

10101

SHEET

REV

EURAMAX INTERNATIONAL, INC.
Monthly Headcount Report - DECEMBER 2007
(as of December 28, 2007)

Location	Exempt			Non-exempt			Hourly			Part-time			Agency Temporaries			Totals		
	Dec-07	Nov-07	Dec-06	Dec-07	Nov-07	Dec-06	Dec-07	Nov-07	Dec-06	Dec-07	Nov-07	Dec-06	Dec-07	Nov-07	Dec-06	Dec-07	Nov-07	Dec-06
Home Products	55	56	57	37	36	38	236	256	248	0	0	0	19	34	11	347	382	354
GSW	26	26	29	0	0	0	35	35	34	1	1	0	0	0	4	62	62	67
Berger Bldg Products	40	40	35	35	36	30	137	135	111	2	2	4	3	7	4	217	220	184
Building Products	141	141	147	61	61	62	438	452	504	0	0	1	45	39	77	685	693	791
Nappanee	14	16	-	5	6	-	105	107	-	0	0	-	5	7	-	129	136	-
Fabral	126	127	130	96	99	104	157	159	174	1	1	3	57	41	43	437	427	454
Mountain Metals	6	7	8	10	10	13	25	27	46	0	0	0	0	0	1	41	44	68
Jenisys	44	45	53	24	26	33	115	129	108	2	2	0	3	0	11	188	202	205
Gutter Suppliers	54	54	47	15	16	15	115	123	161	1	1	0	24	29	23	209	223	246
Fabricated Products	27	26	16	4	4	2	0	0	0	1	1	1	0	0	0	32	31	19
North American Totals	533	538	522	287	294	297	1363	1423	1386	8	8	9	156	157	174	2347	2420	2388
Elbbe Ltd.	59	60	58	28	28	25	274	277	302	5	5	6	10	15	21	376	385	412
Coated Products Ltd.	33	33	35	0	0	0	114	112	113	0	0	0	2	3	11	149	148	159
Industries S.A.	4	4	4	50	48	48	243	244	230	16	15	12	92	108	80	405	419	374
Coated Products B.V.	34	31	30	0	0	0	162	163	149	15	15	15	9	11	12	220	220	206
European Totals	130	128	127	78	76	73	793	796	794	36	35	33	113	137	124	1150	1172	1151
Grand Totals:																		
Current Month	663			365			2156			44			269			3497		
Nov 2007		666			370			2219			43			294			3592	
Dec 2006			649			370			2180			42			298			3539



"Nicole Gartzke"
<NicoleG@BERGERBROS.COM>

07/22/2009 02:21 PM

To vkehs@amerimax.com

cc

bcc

Subject Re: Fwd: Information needed for EPA audit Monday

Vince,

Please see Mary's numbers for the sales volume. I will get you the headcount when I receive it.

Thanks,
Nicole

----- Message from Mary Barnhill/Corporate/Euramax <MBarnhill@euramax.com> on Wed, 22 Jul 2009 14:20:01 -0400 -----

To: "Nicole Gartzke" <NicoleG@BERGERBROS.COM>

cc: Edula@euramax.com

Subject: Re: Fwd: Information needed for EPA audit Monday

Net Sales AHP for 2007: \$157,110,601
Consolidated Net Sales for EII: \$1,297,160,442

Mary

Euramax International, Inc.
5445 Triangle Pkwy Ste 350
Norcross, GA 30092
phone 770-239-9524
fax 717-735-2875

"Nicole Gartzke"
<NicoleG@BERGERBROS.COM>

07/22/2009 01:54
PM

Edula@euramax.com,
mbarnhill@euramax.com

To

cc

Subject
Fwd: Information needed for EPA
audit Monday

Eva/Mary,

See the attached email from Vince Kehs. The EPA is auditing and has requested this information.

I may be able to pull the AHP headcount, but do not have the Euramax

INVOICE DATE	INVOICE NUMBER	AMOUNT	CHECK NUMBER	AMOUNT PAID	DATE PAID
05/01/08	R4200700553	381507	500.00	500.00	
CHECK DATE 05/15/2008					
PENNSYLVANIA HAZARDOUS					
RT01					
IN COLUMN ABOVE					
TOTAL AMOUNT ON CHECK IS LAST FIGURE					

- Please complete items 1, 2, and 4 above
- Remit by check or money order payable to "PENNSYLVANIA HAZARDOUS MATERIAL RESPONSE FUND"
- To insure proper credit to your account, please return entire form with your payment.

Section 207(e) of PA law (P.L.1990-165) requires each owner or operator of a facility to pay to the Commonwealth an annual fee of \$250 for each Toxic Chemical reported on the Toxic Chemical Release Inventory Form as required by Section 313 of SARA, Title III. The cumulative amount of this fee shall not exceed \$5,000 per facility. A decision flow sheet is printed on the reverse side of this invoice to help you determine if you are required to file Toxic Chemical Release Reports and pay the applicable fees.

Please indicate the number of chemicals reported on the Toxic Chemical Release or alternate form (submitted by hard copy or diskette), due by July 1 for the report year indicated above, in the block above entitled "Number of Chemicals." This number multiplied by \$250 is the Toxic Chemical Release fee, not to exceed \$5,000, which should be remitted in the manner described above.

The Toxic Chemical Release Form and Toxic Chemical fee is due July 1st.

A person who fails to pay these fees may be subject to civil penalties.

If you have questions regarding reporting requirements, please contact EPA's hotline at (800) 424-9346.

Any questions regarding this invoice should be directed to the Bureau of PENNSAFE, Room 155-E Labor and Industry Building, 651 Boas Street, Harrisburg, Pennsylvania 17121, telephone (888) SAFE-422.
Internet <http://www.dli.state.pa.us>



- * Have you entered your remittance in the Total Amount Due box?
- * Have you completed boxes 1, 2, & 4 on the reverse side?
- * Does the number of chemicals in box 1 equal the number of chemicals reported on the TRI form(s)?
- * Have you included your CHECK or MONEY ORDER made payable to the PA Hazardous Material Response Fund?
- * Return to:

For Regular Mail:
Commonwealth of Pennsylvania
Department of Labor and Industry
Bureau of PENNSAFE
PO Box 68571
Harrisburg PA 17106-8571

For Certified Mail:
PA Department of Labor and Industry
Bureau of PENNSAFE
Room 155-E L&I Building
651 Boas Street
Harrisburg PA 17121


DECISION FLOW SHEET FOR TOXIC CHEMICAL RELEASE REPORTING/FEEES

Reporting Requirements under federal Superfund Amendments Reauthorization Act, Title III
Fee Submission under Pennsylvania Act 165

SARA REPORTING REQUIREMENTS: TOXIC CHEMICAL RELEASE INVENTORY	PENNSYLVANIA FEE SUBMISSIONS: TOXIC CHEMICAL RELEASE FEE
<p>Does your facility have 10 full-time employees or the equivalent of 20,000 man-hours?</p> <p>No → STOP No EPCRA Section 313 reports required for any chemicals</p> <p>Yes ↓</p> <p>Is your facility's primary SIC Code included on the EPCRA Section 313 list or is your facility a Federal facility?</p> <p>No → STOP No EPCRA Section 313 reports required for any chemicals</p> <p>Yes ↓</p> <p>Does your facility manufacture, process or otherwise use any EPCRA Section 313 chemicals and chemical categories?</p> <p>No → STOP No EPCRA Section 313 reports required for any chemicals</p> <p>Yes ↓</p> <p>Does your facility exceed any of the thresholds for a chemical or chemical category (after excluding quantities that are exempt from threshold calculations)?</p> <p>No → STOP No EPCRA Section 313 reports required for any chemicals</p> <p>Yes ↓</p> <p>An EPCRA section 313 report is required for this chemical or chemical category</p> <p>Yes ↓</p> <p>Is the chemical or chemical category identified as Persistent, Bioaccumulative and Toxic (PBT)?</p> <p>Yes ↓</p> <p>No ↓</p> <p>Is the amount manufactured, OR processed, OR otherwise used, less than or equal to 1,000,000 pounds AND is the reportable amount less than or equal to 500 lbs/yr?</p> <p>No → Form R is required for this chemical or chemical category (Form A CANNOT be submitted)</p> <p>Yes → Form A OR Form R is required for this chemical category</p>	<p>Report must be filed for this chemical by July 1st for the prior calendar year</p> <p>No → Fee Not Required</p> <p>Yes ↓</p> <p>Pay \$250.00 to the Commonwealth for each SARA Section 313 chemical reported on the Toxic Chemical Release or Alternate Form. Form and Fee due annually by July 1st</p> <p>Not to exceed \$5,000.00</p>

Note: Federal facilities are exempt from fees.

(IMPORTANT: Type or print; read instructions before completing form)

 EPA United States Environmental Protection Agency		FORM R Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also Known as Title III of the Superfund Amendments and Reauthorization Act		TRI Facility ID Number <u>17603LMLM450 RI</u> Toxic Chemical, Category or Generic Name <u>XYLENE</u>	
WHERE TO SEND COMPLETED FORMS: 1. TRI Data Processing Center P. O. Box 1513 Lanham, MD 20703-1513					
This section only applies if you are revising or withdrawing a previously submitted form, otherwise leave blank.		Revision (enter up to two code(s)) <div style="border: 1px solid black; width: 40px; height: 20px; display: inline-block;"></div> <div style="border: 1px solid black; width: 40px; height: 20px; display: inline-block;"></div>		Withdrawal (enter up to two code(s)) <div style="border: 1px solid black; width: 40px; height: 20px; display: inline-block;"></div> <div style="border: 1px solid black; width: 40px; height: 20px; display: inline-block;"></div>	
IMPORTANT: See instructions to determine when "Not Applicable (NA)" boxes should be checked.					
PART 1. FACILITY IDENTIFICATION INFORMATION					
SECTION 1. REPORTING YEAR <u>2007</u>					
SECTION 2. TRADE SECRET INFORMATION					
2.1 Are you claiming the toxic chemical identified on page 2 trade secret? <input type="checkbox"/> Yes (Answer question 2.2; Attach substantiation forms)		<input checked="" type="checkbox"/> No (Do not answer 2.2; Go to Section 3)		2.2 Is this copy <input type="checkbox"/> Sanitized <input type="checkbox"/> Unsanitized (Answer only if "YES" in 2.1)	
SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.) I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.					
Name and official title of owner/operator or senior management official:				Signature:	
<u>Ken Grove Plant Manager</u>				<u>[Signature]</u>	
				Date Signed: <u>5/14/8</u>	
SECTION 4. FACILITY IDENTIFICATION					
4.1		TRI Facility ID Number			
Facility or Establishment Name		Facility or Establishment Name or Mailing Address (If different from street address)			
<u>AMERIMAX HOME PRODUCTS INC</u>		<u>AMERIMAX HOME PRODUCTS INC</u>			
Street		Mailing Address			
<u>450 RICHARDSON DRIVE</u>		<u>P.O. BOX 4515</u>			
City/County/State/Zip Code		City/State/Zip Code		Country (Non-US)	
<u>LANCASTER (LANCASTER) PA 17603</u>		<u>LANCASTER PA 17604</u>			
4.2 This report contains information for: (Important: Check a or b; check c or d if applicable) <div style="display: flex; justify-content: space-between; margin-top: 5px;"> a. <input type="checkbox"/> An entire facility b. <input type="checkbox"/> Part of a facility c. <input type="checkbox"/> A Federal facility d. <input type="checkbox"/> GOCO </div>					
4.3 Technical Contact Name		<u>RICHARD C. ANDERSON</u>		Telephone Number (include area code)	
				<u>717-715-8407</u>	
Email Address		<u>RANDERSON@AMERIMAX.COM</u>			
4.4 Public Contact Name		<u>KEN GROVE</u>		Telephone Number (include area code)	
				<u>717-715-8427</u>	
Email Address		<u>KGROVE@AMERIMAX.COM</u>			
4.5 NAICS Code (s) (6 digits)		Primary a. <u>332322</u> b. c. d. e. f.			
4.6 Dun & Bradstreet Number (s) (9 digits)		a. <u>965099203</u> b.			
SECTION 5. PARENT COMPANY INFORMATION					
5.1 Name of Parent Company		NA <input type="checkbox"/> <u>EURAMAX INTERNATIONAL INC</u>			
5.2 Parent Company's Dun & Bradstreet Number		NA <input type="checkbox"/> <u>098511249</u>			

FORM R**PART II. TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM**

TRI Facility ID Number

17603LMLM 450R

Toxic Chemical, Category or Generic Name

XYLENE

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.) 1330-20-7
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.) XYLENE
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive.) NA
1.4	Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category. (If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.) 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces and punctuation.) NA
-----	---

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1	Manufacture the toxic chemical:	3.2	Process the toxic chemical:	3.3	Otherwise use the toxic chemical:
a. <input type="checkbox"/> Produce	b. <input type="checkbox"/> Import	a. <input type="checkbox"/> As a reactant	b. <input type="checkbox"/> As a formulation component	a. <input type="checkbox"/> As a chemical processing aid	b. <input type="checkbox"/> As a manufacturing aid
If produce or import		c. <input type="checkbox"/> As an article component	d. <input type="checkbox"/> Repackaging	c. <input checked="" type="checkbox"/> Ancillary or other use	
c. <input type="checkbox"/> For on-site use/processing	d. <input type="checkbox"/> For sale/distribution	e. <input type="checkbox"/> As an impurity			
e. <input type="checkbox"/> As a byproduct					
f. <input type="checkbox"/> As an impurity					

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	03 (Enter two digit code from instruction package.)
-----	---

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

	A. Total Release (pounds/year*) (Enter a range code** or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1 Fugitive or non-point air emissions NA <input type="checkbox"/>	21	0	
5.2 Stack or point air emissions NA <input type="checkbox"/>	1179	0	
5.3 Discharges to receiving streams or water bodies (enter one name per box)			
Stream or Water Body Name			
5.3.1 NA			
5.3.2			
5.3.3			

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box and indicate the Part II, Section 5.3 page number in this box. (example: 1,2,3, etc.)

FORM R**PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)**

TRI Facility ID Number:

17603LMXL450 RI

Toxic Chemical, Category or Generic Name

XYLENE

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON SITE (continued)

	NA	A. Total Release (pounds/year*) (enter range code ** or estimate)	B. Basis of Estimate (enter code)
5.4.1 Underground Injection onsite to Class I Wells	<input checked="" type="checkbox"/>		
5.4.2 Underground Injection onsite to Class II-V Wells	<input checked="" type="checkbox"/>		
5.5 Disposal to land onsite			
5.5.1A RCRA Subtitle C landfills	<input checked="" type="checkbox"/>		
5.5.1B Other landfills	<input checked="" type="checkbox"/>		
5.5.2 Land treatment/application farming	<input checked="" type="checkbox"/>		
5.5.3A RCRA Subtitle C surface impoundments	<input checked="" type="checkbox"/>		
5.5.3B Other surface impoundments	<input checked="" type="checkbox"/>		
5.5.4 Other disposal	<input checked="" type="checkbox"/>		

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS**6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)****6.1.A Total Quantity Transferred to POTWs and Basis of Estimate**6.1.A.1 Total Transfers (pounds/year*)
(enter range code ** or estimate)

NA

6.1.A.2 Basis of Estimate
(enter code)

6.1.B POTW Name

POTW Address

City

State

County

Zip

6.1.B POTW Name

POTW Address

City

State

County

Zip

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box and indicate the Part II, Section 6.1 page number in this box (example: 1,2,3, etc.)**SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS**

6.2.1 Off-Site EPA Identification Number (RCRA ID No.) MID 000 724 831

Off-Site Location Name

MICHIGAN DISPOSAL WASTE TREATMENT

Off-Site Address

49350 NORTH I-94 SERVICE DRIVE

City

BELLVILLE

State

MI

County

WAYNE

Zip

48111

Country
(Non-US)

Is location under control of reporting facility or parent company?

☐ Yes☒ No

FORM R**PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)**

TRI Facility ID Number

17603LMxLM 450R

Toxic Chemical, Category or Generic Name

XYLENE

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (CONTINUED)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 8	1. O	1. M 50
2.	2.	2. M
3.	3.	3. M
4.	4.	4. M

6.2 Off-Site EPA Identification Number (RCRA ID No.)

Off-Site Location Name

NA

Off-Site Address

City

State

County

Zip

Country
(Non-US)

Is location under control of reporting facility or parent company?

Yes ☐No ☐

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1. M
2.	2.	2. M
3.	3.	3. M
4.	4.	4. M

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

Not Applicable (NA) -

Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream [enter code]	b. Waste Treatment Method(s) Sequence [enter 3- or 4- character code(s)]	d. Waste Treatment Efficiency [enter 2 character code]
7A.1a	7A.1b	7A.1d
A	1 4 2 5 3 4 5 8 6 7 8	E4
7A.2a	7A.2b	7A.2d
7A.3a	7A.3b	7A.3d
7A.4a	7A.4b	7A.4d
7A.5a	7A.5b	7A.5d

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box and indicate the Part II, Section 6.2/7 page number in this box: (example: 1,2,3,etc.)

FORM R**PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)**

TRI Facility ID Number

17603LMxLM 450 RI

Toxic Chemical, Category or Generic Name

XYLENE

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES☒ Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1

2

3

SECTION 7C. ON-SITE RECYCLING PROCESSES☒ Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]


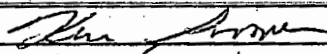
1

2

3

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

	Column A Prior Year 2006 (pounds/year*)	Column B Current Reporting Year (pounds/year*) 2007	Column C Following Year (pounds/year*) 2008	Column D Second Following Year (pounds/year*) 2009	
8.1					
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1b	Total other on-site disposal or other releases	1097	1200	1224	1261
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1d	Total other off-site disposal or other releases	NA	NA	NA	NA
8.2	Quantity used for energy recovery onsite	NA	NA	NA	NA
8.3	Quantity used for energy recovery offsite	NA	NA	NA	NA
8.4	Quantity recycled onsite	NA	NA	NA	NA
8.5	Quantity recycled offsite	NA	NA	NA	NA
8.6	Quantity treated onsite	47865	52392	53440	55043
8.7	Quantity treated offsite	7	8	8	9
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)*			0	
8.9	Production ratio or activity index				209,841,782 / 205,710,091 = 1.02 (FT ² PAINTED)
8.10	Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.				
	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)			
8.10.1	NA	a.	b.	c.	
8.10.2		a.	b.	c.	
8.10.3		a.	b.	c.	
8.10.4		a.	b.	c.	
8.11	If you wish to submit additional optional information on source reduction, recycling, or pollution control activities, check "Yes."				Yes <input type="checkbox"/>

 EPA United States Environmental Protection Agency		FORM R Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also Known as Title III of the Superfund Amendments and Reauthorization Act		TRI Facility ID Number 17603LMxLM450RI	
				Toxic Chemical, Category or Generic Name N-BUTYL-ALCOHOL	
WHERE TO SEND COMPLETED FORMS: 1. TRI Data Processing Center P. O. Box 1513 Lanham, MD 20703-1513					
This section only applies if you are revising or withdrawing a previously submitted form, otherwise leave blank.		Revision (enter up to two code(s)) <div style="border: 1px solid black; width: 40px; height: 20px; display: inline-block;"></div> <div style="border: 1px solid black; width: 40px; height: 20px; display: inline-block;"></div>		Withdrawal (enter up to two code(s)) <div style="border: 1px solid black; width: 40px; height: 20px; display: inline-block;"></div> <div style="border: 1px solid black; width: 40px; height: 20px; display: inline-block;"></div>	
IMPORTANT: See instructions to determine when "Not Applicable (NA)" boxes should be checked.					
PART 1. FACILITY IDENTIFICATION INFORMATION					
SECTION 1. REPORTING YEAR <u>2007</u>					
SECTION 2. TRADE SECRET INFORMATION					
2.1 Are you claiming the toxic chemical identified on page 2 trade secret? <input type="checkbox"/> Yes (Answer question 2.2; Attach substantiation forms)		<input checked="" type="checkbox"/> No (Do not answer 2.2; Go to Section 3)		2.2 Is this copy <input type="checkbox"/> Sanitized <input type="checkbox"/> Unsanitized (Answer only if "YES" in 2.1)	
SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.) I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.					
Name and official title of owner/operator or senior management official: Ken Grove - Plant Manager			Signature: 		Date Signed: 5/14/8
SECTION 4. FACILITY IDENTIFICATION					
4.1 Facility or Establishment Name AMERIMAX HOME PRODUCTS INC.		Facility or Establishment Name or Mailing Address: (If different from street address) AMERIMAX HOME PRODUCTS INC.			
Street 450 RICHARDSON DRIVE		Mailing Address P.O. BOX 4515			
City/County/State/Zip Code LANCASTER (LANCASTER) PA 17603		City/State/Zip Code LANCASTER, PA 17604		Country (Non-US)	
4.2 This report contains information for: (Important: Check a or b; check c or d if applicable)					
a. <input checked="" type="checkbox"/> An entire facility b. <input type="checkbox"/> Part of a facility c. <input type="checkbox"/> A Federal facility d. <input type="checkbox"/> GOCO					
4.3 Technical Contact Name RICHARD C. ANDERSON		Telephone Number (include area code) 717-715-8407			
Email Address RANDERSON@AMERIMAX.COM					
4.4 Public Contact Name KEN GROVE		Telephone Number (include area code) 717-715-8421			
Email Address KGROVE@AMERIMAX.COM					
4.5 NAICS Code (s) (6 digits)					
Primary a. 332322		b. c. d. e. f.			
4.6 Dun & Bradstreet Number (s) (9 digits)					
a. 965099203		b.			
SECTION 5. PARENT COMPANY INFORMATION					
5.1 Name of Parent Company		NA <input type="checkbox"/> EURAMAX INTERNATIONAL INC.			
5.2 Parent Company's Dun & Bradstreet Number		NA <input type="checkbox"/> 098511249			

FORM R**PART II. TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM**

TRI Facility ID Number

17603 LMXLM 450R

Toxic Chemical, Category or Generic Name

N-BUTYL ALCOHOL

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)	71-36-3															
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)	N-BUTYL ALCOHOL															
1.3	Generic Chemical Name (Important: Complete only if Part I, Section 2.1 is checked "yes". Generic Name must be structurally descriptive.)	NA															
1.4	Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category. (If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	NA																

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces and punctuation.)	NA
-----	---	----

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1	Manufacture the toxic chemical:	3.2	Process the toxic chemical:	3.3	Otherwise use the toxic chemical:
a. <input type="checkbox"/> Produce	b. <input type="checkbox"/> Import	a. <input type="checkbox"/> As a reactant	b. <input type="checkbox"/> As a formulation component	a. <input type="checkbox"/> As a chemical processing aid	b. <input type="checkbox"/> As a manufacturing aid
If produce or import:		c. <input type="checkbox"/> As an article component	d. <input type="checkbox"/> Repackaging	c. <input checked="" type="checkbox"/> Ancillary or other use	
c. <input type="checkbox"/> For on-site use/processing	d. <input type="checkbox"/> For sale/distribution	e. <input type="checkbox"/> As an impurity			
e. <input type="checkbox"/> As a byproduct	f. <input type="checkbox"/> As an impurity				

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	03 (Enter two digit code from instruction package.)
-----	---

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

	A. Total Release (pounds/year*) (Enter a range code** or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1 Fugitive or non-point air emissions	13	0	
5.2 Stack or point air emissions	707	0	
5.3 Discharges to receiving streams or water bodies (enter one name per box)			
Stream or Water Body Name			
5.3.1 NA			
5.3.2			
5.3.3			

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box and indicate the Part II, Section 5.3 page number in this box. (example: 1,2,3, etc.)

FORM R**PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)**

TRI Facility ID Number

17603 LMXLM 450 RI

Toxic Chemical, Category or Generic Name

N-BUTYL ALCOHOL

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON SITE (continued)

	NA	A. Total Release (pounds/year*) (enter range code ** or estimate)	B. Basis of Estimate (enter code)
5.4.1 Underground Injection onsite to Class I Wells	<input checked="" type="checkbox"/>		
5.4.2 Underground Injection onsite to Class II-V Wells	<input checked="" type="checkbox"/>		
5.5 Disposal to land onsite			
5.5.1A RCRA Subtitle C landfills	<input checked="" type="checkbox"/>		
5.5.1B Other landfills	<input checked="" type="checkbox"/>		
5.5.2 Land treatment/application farming	<input checked="" type="checkbox"/>		
5.5.3A RCRA Subtitle C surface impoundments	<input checked="" type="checkbox"/>		
5.5.3B Other surface impoundments	<input checked="" type="checkbox"/>		
5.5.4 Other disposal	<input checked="" type="checkbox"/>		

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS**6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)****6.1.A Total Quantity Transferred to POTWs and Basis of Estimate**6.1.A.1 Total Transfers (pounds/year*)
(enter range code ** or estimate)

NA

6.1.A.2 Basis of Estimate
(enter code)

6.1.B POTW Name

POTW Address

City

State

County

Zip

6.1.B POTW Name

POTW Address

City

State

County

Zip

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box and indicate the Part II, Section 6.1 page number in this box (example: 1,2,3, etc.)**SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS**

6.2.1 Off-Site EPA Identification Number (RCRA ID No.) MID 000724831

Off-Site Location Name MICHIGAN DISPOSAL WASTE TREATMENT

Off-Site Address 49350 NORTH I 94 SERVICE DRIVE

City

BELLVILLE

State

MI

County

WAYNE

Zip

48111

Country
(Non-US)

Is location under control of reporting facility or parent company?

☐

Yes

☒

No

FORM R**PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)**

TRI Facility ID Number

17603EMxLM450RL

Toxic Chemical, Category or Generic Name

N BUTYL ALCOHOL

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (CONTINUED)

A. Total Transfers (pounds/year*) (enter range code**or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 5	1. 0	1. M 50
2. NA	2.	2. M
3.	3.	3. M
4.	4.	4. M

6.2 Off-Site EPA Identification Number (RCRA ID No.)

Off-Site Location Name NA

Off-Site Address

City

State

County

Zip

Country
(Non-US)

Is location under control of reporting facility or parent company?

Yes ☐No ☐

A. Total Transfers (pounds/year*) (enter range code**or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1. M
2.	2.	2. M
3.	3.	3. M
4.	4.	4. M

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY
☐ Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream [enter code]	b. Waste Treatment Method(s) Sequence [enter 3- or 4- character code(s)]	d. Waste Treatment Efficiency [enter 2 character code]
7A.1a	7A.1b	7A.1d
A	1 4040 2	E4
7A.2a	7A.2b	7A.2d
7A.3a	7A.3b	7A.3d
7A.4a	7A.4b	7A.4d
7A.5a	7A.5b	7A.5d

 If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box ☐
 and indicate the Part II, Section 6.2/7 page number in this box: ☐ (example: 1,2,3,etc.)

FORM R**PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)**

TRI Facility ID Number

176032MxLM450 RI

Toxic Chemical, Category or Generic Name

N BUTYL ALCOHOL

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES☒ Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1

2

3

SECTION 7C. ON-SITE RECYCLING PROCESSES☒ Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1

2

3

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

	Column A Prior Year 2006 (pounds/year*)	Column B Current Reporting Year (pounds/year*) 2007	Column C Following Year (pounds/year*) 2008	Column D Second Following Year (pounds/year*) 2009	
8.1					
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1b	Total other on-site disposal or other releases	542	720	734	756
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1d	Total other off-site disposal or other releases	NA	NA	NA	NA
8.2	Quantity used for energy recovery onsite	NA	NA	NA	NA
8.3	Quantity used for energy recovery offsite	NA	NA	NA	NA
8.4	Quantity recycled onsite	NA	NA	NA	NA
8.5	Quantity recycled offsite	NA	NA	NA	NA
8.6	Quantity treated onsite	23653	31429	32058	33020
8.7	Quantity treated offsite	4	5	5	6
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)*			0	
8.9	Production ratio or activity index				209841782 / 205710091 = 1.02 (FT ² PAINTED)
8.10	Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.				
	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)			
8.10.1	NA	a.	b.	c.	
8.10.2		a.	b.	c.	
8.10.3		a.	b.	c.	
8.10.4		a.	b.	c.	
8.11	If you wish to submit additional optional information on source reduction, recycling, or pollution control activities, check "Yes."				Yes <input type="checkbox"/>

Toxic Release Calculations

The first assumption, based on measurements and data, is that Amerimax Home Products has 100% capture in the coater room and 97.8% destruction in the incinerator. The efficiency of the incinerator was checked this year and changed to 97.8% from the previous testing level of 99.7%. We drip the ends of the barrels outside the coater room. When the dripping is completed, the receiving barrel is covered and reused at a later date. We generate approximately 55-60 drums per year of junk backer. Because we don't see a viscosity change, my best guess would be that we lose no more than 1%-2% of the solvents during this process. We also lose a minor amount of the solvents when adding rags with waste paint to the waste barrel and compacting. We generate approximately 8 drums of rags per year. Each drum contains approximately 2 gallons of paint max.

Fugitive Emissions

$1.5\% * 3,000 \text{ gallons} / 112,702 \text{ gallons} = .040\% \text{ emissions from dripping}$

Discarded Material to Outside Disposal

$16 \text{ gallons} / 112,702 = .014\%$

Emission Calculations

Based on average constituents

Average n-Butyl Alcohol usage based on MSDS program – 32,154 pounds

Fugitive emissions (.040%)	13 pounds
Quantity to outside disposal (.014%)	5 pounds
Quantity through incineration	32,136 pounds
Treated through incineration (97.8%)	31,429 pounds
Release from incineration to air	707 pounds

Average Xylene usage based on MSDS program – 53,600 pounds

Fugitive emissions (.040%)	21 pounds
Quantity to outside disposal (.014%)	8 pounds
Quantity through incineration	53,571 pounds
Treated through incineration (97.8%)	52,392 pounds
Release from incineration to air	1.179 pounds

Activity Index

Calculated by total surface square feet coated. This calculation includes both sides of strip.

2007	Aluminum	171,534,939 ft ²
	Steel	38,306,843 ft ²
	Total	209,841,782 ft ²

19,342,822 lbs.

Material Safety Data Sheet

Material Name: Iron Alloy (Steel)

ID: NS-001

*** Section 1 - Chemical Product and Company Identification ***

Chemical Name: Mixture

Product Use: Slab, Roll and Sheet Products

Manufacturer Information

National Steel Corporation
4100 Edison Lakes Parkway
Mishawaka, IN 46545

Phone: (574) 273-7000

Emergency: (574) 273-7000

*** Section 2 - Composition / Information on Ingredients ***

CAS #	Component	Percent
7439-89-6	Iron	95-99
7439-96-5	Manganese	0-3.3
7440-21-3	Silicon	0-1.4
7440-47-3	Chromium	0-1
7440-02-0	Nickel	0-0.9
7429-90-5	Aluminum	0-0.7
7440-50-8	Copper	0-0.54
7440-36-0	Antimony	0-0.1

Coated Product May Also Contain:

CAS #	Component	Percent
7440-66-6	Zinc	0-10.3
7429-90-5	Aluminum	0-3.7
7440-31-5	Tin	0-2.5
7440-47-3	Chromium	0-2.0
7440-36-0	Antimony	0-0.06

Component Related Regulatory Information

This product is a mixture of metals. Certain metals released from the product may be regulated and have exposure limits identified as the following: Zinc compounds, Manganese compounds, n.o.s., Chromium compounds, Nickel compounds, Copper compounds, n.o.s..

Component Information

As supplied, this product is not classified as a hazardous chemical under 29 CFR 1910.1200 (Hazard Communication), however, dusts, particulates or fumes generated in the processing of this product are hazardous chemicals.

*** Section 3 - Hazards Identification ***

Emergency Overview

Product is a solid iron alloy. As supplied, this product does not present a physical or health hazard. Processing of the product for some final uses can include formation of dusts, particulates or fumes that may present certain health hazards. Dusts from this product may pose a dust explosion hazard. Contact of molten product with water can cause an explosion hazard. Firefighters should wear a positive pressure self-contained breathing apparatus with full face-piece.

Hazard Statements

Dusts, particulates and vapors that may be produced in the processing of this product, may be irritating to the eyes, skin, respiratory system and gastrointestinal tract. Dusts, particulates or fumes that may be produced may contain metals that cause metal fume fever, a flu-like condition lasting 24 to 48 hours and includes fever, chills, aches, cough and general malaise. Exposure to dusts, particulates or fumes containing nickel may cause cancer. Fumes containing metallic components in this product may be hazardous.

Material Safety Data Sheet

Material Name: Iron Alloy (Steel)

ID: NS-001

Potential Health Effects: Eyes

Dust or powder may be irritating to the eyes. Rubbing may cause abrasion of the cornea.

Potential Health Effects: Skin

Dust or powder may irritate the skin. Rubbing may increase mechanical irritation to the skin. Product contains chromium and nickel, which may cause an allergic skin reaction. No components of this product are known to be absorbed through the skin.

Potential Health Effects: Ingestion

Dusts or powders may cause temporary irritation of the throat, stomach and gastrointestinal tract.

Potential Health Effects: Inhalation

Dusts and powders from this product may cause irritation to the nasal passages and respiratory tract. When inhaled in very large amounts, damage to the lung may occur. Dusts, particulates or fumes that may be produced may contain metals that cause metal fume fever, a transitory condition including fever, chills, aches, cough and general malaise. Repeated exposure may lead to respiratory sensitization reactions, producing an asthma-like condition.

HMIS Ratings: Health: 1* Fire: 0 Reactivity: 0 Personnel Protection: safety glasses, gloves

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

*** Section 4 - First Aid Measures ***

First Aid: Eyes

For contact with dusts or particulates, flush eyes with water for 15 minutes. Eye injuries from solid particles should be treated by a physician immediately.

First Aid: Skin

For skin contact with dusts or powders, wash immediately with soap and water. Cuts or abrasions should be treated promptly with thorough cleansing of the affected area.

First Aid: Ingestion

No need for first aid is anticipated if material is swallowed, however if symptoms develop, seek medical attention.

First Aid: Inhalation

If large amounts of dusts, fumes or particulates are generated, move person to fresh air. If symptoms develop, seek medical attention.

First Aid: Notes to Physician

Respiratory disorders may be aggravated by exposure to metallic dusts or fumes.

*** Section 5 - Fire Fighting Measures ***

Flash Point: Not applicable

Upper Flammable Limit (UFL): Not applicable

Auto Ignition: Not applicable

Rate of Burning: Not applicable

General Fire Hazards

This material will not burn. Fine dusts of this material mixed with oxygen and a suitable source of ignition may pose an explosion hazard.

Hazardous Combustion Products

Material will begin softening at approximately 2400 °F, will proceed to a liquid and will form irritating and toxic gaseous metallic oxides at extremely high temperatures.

Extinguishing Media

Use methods for the surrounding fire.

Fire Fighting Equipment/Instructions

Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing.

NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures

Containment of this material should not be necessary. If dusts or particulates are generated, eliminate sources of ignition.

Material Safety Data Sheet

Material Name: Iron Alloy (Steel)

ID: NS-001

Clean-Up Procedures

Small pieces of this product may be collected with a broom and shovel. Dusts and particulates may be collected by using a vacuum with a HEPA filter. If sweeping of a contaminated area is necessary, use a dust suppressant agent. Place collected material in a closed container.

Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

Special Procedures

None necessary.

*** Section 7 - Handling and Storage ***

Handling Procedures

Avoid generating dusts or particulates. Avoid inhalation of dusts, particulates or fumes. Avoid contact of dusts or particulates with eyes or skin. Wash thoroughly after handling.

Storage Procedures

Store in a dry area.

*** Section 8 - Exposure Controls / Personal Protection ***

Exposure Guidelines

A: General Product Information

Follow all applicable exposure limits.

B: Component Exposure Limits

Manganese (7439-96-5)

ACGIH: 0.2 mg/m3 TWA
OSHA: 1 mg/m3 TWA (fume)
5 mg/m3 Ceiling
NIOSH: 1 mg/m3 TWA
3 mg/m3 STEL

Silicon (7440-21-3)

ACGIH: 10 mg/m3 TWA
OSHA: 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
NIOSH: 10 mg/m3 TWA (total); 5 mg/m3 TWA (respirable dust)

Tin (7440-31-5)

ACGIH: 2 mg/m3 TWA
OSHA: 2 mg/m3 TWA
NIOSH: 2 mg/m3 TWA

Aluminum (7429-90-5)

ACGIH: 10 mg/m3 TWA (metal dust)
OSHA: 15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
NIOSH: 10 mg/m3 TWA (total); 5 mg/m3 TWA (respirable dust); 5 mg/m3 TWA (pyro powders and welding fumes)

Chromium (7440-47-3)

ACGIH: 0.5 mg/m3 TWA
OSHA: 1 mg/m3 TWA
NIOSH: 0.5 mg/m3 TWA

Nickel (7440-02-0)

ACGIH: 1.5 mg/m3 TWA (inhalable fraction)
OSHA: 1 mg/m3 TWA
NIOSH: 0.015 mg/m3 TWA (as Ni)

Material Safety Data Sheet

Material Name: Iron Alloy (Steel)

ID: NS-001

Copper (7440-50-8)

ACGIH: 0.2 mg/m3 TWA (fume); 1 mg/m3 TWA (dusts and mists, as Cu)
OSHA: 0.1 mg/m3 TWA (fume, dusts, mists as Cu)
NIOSH: 1 mg/m3 TWA (dusts and mists); 0.1 mg/m3 TWA (fume)

Antimony (7440-36-0)

ACGIH: 0.5 mg/m3 TWA
OSHA: 0.5 mg/m3 TWA
NIOSH: 0.5 mg/m3 TWA

Engineering Controls

Whenever dusts, particulates or fumes are generated, use appropriate local exhaust ventilation to keep exposures below the regulated limits.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear safety glasses with side shields.

Personal Protective Equipment: Skin

Wear leather or other appropriate gloves, if necessary for the type of operation.

Personal Protective Equipment: Respiratory

When dusts or thermal processing fumes are generated and ventilation is not sufficient to effectively remove them, appropriate NIOSH/MSHA approved respiratory protection must be provided.

Personal Protective Equipment: General

Use good industrial hygiene practices in handling this material.

*** Section 9 - Physical & Chemical Properties ***

Appearance: Metallic color
Physical State: Solid
Vapor Pressure: Not applicable
Boiling Point: Not available
Solubility (H₂O): Insoluble
Softening Point: 2400 °F (1315 °C)

Odor: None
pH: Not applicable
Vapor Density: Not applicable
Melting Point: 2400 - 2800 °F (1315 - 1538 °C)
Specific Gravity: 7.5 - 8.5 g/cm³

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

Product is stable.

Chemical Stability: Conditions to Avoid

None known.

Incompatibility

None known.

Hazardous Decomposition

Material will begin softening at approximately 2400 °F, will proceed to a liquid and will form irritating and toxic gaseous metallic oxides at extremely high temperatures.

Hazardous Polymerization

Will not occur.

*** Section 11 - Toxicological Information ***

Acute and Chronic Toxicity

A: General Product Information

The product as shipped, does not present a health hazard. Operations which supply sufficient energy to the product (i.e. welding, high speed grinding or melting) can release dust or fumes which may make components of the product biologically available.

Exposure to dusts or fumes from some metals including iron, manganese, chromium, copper and zinc can produce a condition known as metal fume fever, a flu-like illness with nausea, vomiting, chest tightness, muscle aches and weakness.

Material Safety Data Sheet

Material Name: Iron Alloy (Steel)

ID: NS-001

Chronic exposure to iron can lead to mottling of the lungs, a condition known as siderosis which is a benign pneumoconiosis and does not cause significant physiologic impairment of the lung.

Early signs of manganese poisoning are sluggishness, loss of appetite, sleepiness, weakness in the legs, uncontrollable laughter, hallucinations, delusions, spastic or slow gait, speech impairment, aggressiveness, tremor, mask-like faces, and clumsy movements. Occupational exposure to manganese has been reported to increase the incidence of pneumonia, bronchitis and lung inflammation.

Exposure to chromium (VI) can cause allergic contact dermatitis and skin ulceration, perforation of the nasal septum and lung, and kidney and liver damage.

Inhalation of aluminum dust may cause aluminosis, a type of pulmonary fibrosis.

Occupational exposure to antimony can cause a form of dermatitis known as antimony spots. Chronic inhalation of antimony can cause pneumoconiosis which can progress to obstructive lung disease. Chronic exposure to antimony can also cause eye irritation, diarrhea, vomiting, abdominal cramps, gastric ulcerations and cardiac effects.

Chronic exposure to copper fume or dust can cause respiratory tract irritation, hemolytic anemia and allergic contact dermatitis.

Chronic exposure to nickel can cause rhinitis, sinusitis and permanent allergic contact dermatitis and sensitization.

Chronic inhalation of tin dusts or fumes can cause a condition known as stannosis which is a benign pneumoconiosis and does not cause significant physiological impairment of the lung.

Dusts and fumes from this product may cause cancer, reproductive and/or birth defects.

B: Component Analysis - LD50/LC50

Iron (7439-89-6)

Oral LD50 Rat: 30 gm/kg

Manganese (7439-96-5)

Oral LD50 Rat: 9 gm/kg

Silicon (7440-21-3)

Oral LD50 Rat: 3160 mg/kg

Antimony (7440-36-0)

Oral LD50 Rat: 7 gm/kg

Carcinogenicity

A: General Product Information

No information available for the product.

Occupational exposure to nickel dusts or fumes increases the risk of respiratory cancers.

Chronic exposure to chromium (VI) has been associated with an increased risk of cancer.

Inhalation of antimony produced lung tumors in experimental animals, and there is a possible link between occupational exposure and lung cancer in humans.

Copper has caused cancer when implanted in experimental animals.

Tin has been shown to cause tumors in experimental animals.

B: Component Carcinogenicity

Chromium (7440-47-3)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

IARC: Monograph 49, 1990 (Group 3 (not classifiable))

Nickel (7440-02-0)

ACGIH: A5 - Not Suspected as a Human Carcinogen

NIOSH: occupational carcinogen

NTP: Suspect Carcinogen; (under Nickel and Certain Nickel Compounds) (Possible Select Carcinogen)

IARC: Monograph 49, 1990; (Evaluated as a group) (related to Nickel compounds) (Group 1 (carcinogenic to humans))

Material Safety Data Sheet

Material Name: Iron Alloy (Steel)

ID: NS-001

Epidemiology

No information available for the product.

Neurotoxicity

No information available for the product.

Chronic exposure to manganese can lead to the neurological condition of parkinsonism and to diminished fine motor coordination.

Occupational exposure to aluminum has been associated with increased adverse effects on the central nervous system.

Mutagenicity

No information available for the product.

Manganese and chromium (VI) have been shown to cause mutations in experimental systems.

Aluminum and antimony have been shown to increase the number of sister chromatid exchanges and antimony is clastogenic when orally administered to laboratory animals.

Copper can induce DNA structural transformations and chromosomal aberrations.

Nickel inhibited DNA repair and induced transformation in experimental assays.

Teratogenicity

No information available for the product.

Manganese, chromium and aluminum have been shown to have teratogenic effects.

Manganese, chromium, antimony, copper and nickel have been reported to have adverse reproductive effects in experimental animals.

Chromium, copper and nickel have been shown to be fetotoxic in experimental animals.

Other Toxicological Information

None identified.

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

No information available for the product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Zinc (7440-66-6)

Test & Species

LC50 (96 hr) fathead minnow

6.4 mg/L

LC50 (96 hr) rainbow trout

4.8 mg/L

LC50 (96 hr) bluegill

5.4 mg/L

IC50 (96 hr) freshwater algae

30 ug/L

(Selenastrum capricornutum)

LC50 (72 hr) water flea

5 - 14 ug/L

Conditions

100 mg CaCO3/L

juveniles, 333 - 504 mg CaCO3/L

20 mg CaCO3/L

30 °C

Nickel (7440-02-0)

Test & Species

LC50 (96 hr) rainbow trout (adults)

31.7 mg/L

LC50 (96 hr) fathead minnow

3.1 mg/L

IC50 (72 hr) freshwater algae (4 species)

100 - 700 ug/L

LC50 (96 hr) water flea

510 ug/L

Conditions

hard water

pH = 8.0 - 8.5

45 mg CaCO3/L

Copper (7440-50-8)

Test & Species

LC50 (96 hr) fathead minnow

23 ug/L

LC50 (96 hr) rainbow trout

13.8 ug/L

LC50 (96 hr) bluegill

236 - 892 ug/L

IC50 (72 hr) freshwater algae (Scenedesmus subspicatus)

120 ug/L

LC50 (96 hr) water flea

10 ug/L

LC50 (96 hr) water flea

200 ug/L

Conditions

20 mg CaCO3/L

juveniles

adults

45 mg CaCO3/L

226 mg CaCO3/L

Material Safety Data Sheet

Material Name: Iron Alloy (Steel)

ID: NS-001

Environmental Fate

No information available for the product.

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

This product contains a component or components identified as hazardous under 40 CFR 261.24.

B: Component Waste Numbers

Chromium (7440-47-3)

RCRA: waste number D007; regulatory level = 5.0 mg/L

Disposal Instructions

This product is not regulated as a hazardous waste by the federal EPA. Collected dusts and other similar wastes generated during processing of the product could contain a constituent identified as hazardous under 40 CFR § 261.24.

*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Not regulated as dangerous goods.

Hazard Class: None

UN/NA #: None

Packing Group: None

Required Label(s): None

Additional Info.: None

International Transportation Regulations

Not regulated as dangerous goods.

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

No information available for the product.

B: Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Zinc (7440-66-6)

- SARA 313: form R reporting required for 1.0% de minimis concentration (only fume or dust)
form R reporting required for 1.0% de minimis concentration; Chemical Category N982 (related to Zinc compounds)
- CERCLA: final RQ = 1000 pounds (454 kg) (no reporting of releases of this hazardous substance is required if the diameter of the solid metal released is equal to or exceeds 0.004 inches)
statutory RQ = 1 pound (0.454 kg) (related to Zinc compounds)

Manganese (7439-96-5)

- SARA 313: form R reporting required for 1.0% de minimis concentration
form R reporting required for 1.0% de minimis concentration; Chemical Category N450 (related to Manganese compounds)
- CERCLA: Statutory RQ = 1 pound (.454 kg); no final RQ is being assigned to the generic or broad class (related to Manganese compounds)

Chromium (7440-47-3)

- CERCLA: final RQ = 5000 pounds (2270 kg) (no reporting of releases of this hazardous material is required if the diameter of the pieces of the solid metal released is equal to or exceeds 0.004 inches)
CERCLA statutory RQ is 1 pound (0.454 kg); no RQ is being assigned to the generic or broad class (related to Chromium compounds)

Material Safety Data Sheet

Material Name: Iron Alloy (Steel)

ID: NS-001

Nickel (7440-02-0)

- SARA 313: form R reporting required for 0.1% de minimis concentration
form R reporting required for 0.1% de minimis concentration; Chemical Category N495 (related to Nickel compounds)
- CERCLA: final RQ = 100 pounds (45.4 kg) (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is equal to or exceeds 0.004 inches)
CERCLA statutory RQ is 1 pound (0.454 kg); no RQ is being assigned to the generic or broad class (related to Nickel compounds)

State Regulations

A: General Product Information

Other state regulations may apply. Check individual state requirements.

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS #	CA	FL	MA	MN	NJ	PA
Iron	7439-89-6	Yes	No	No	No	No	No
Zinc (related to Zinc compounds)	7440-66-6	Yes ¹	Yes	Yes	No	Yes	Yes
Manganese (related to Manganese compounds). (related to Manganese compounds, n.o.s.)	7439-96-5	Yes ¹	Yes	Yes	Yes ²	Yes	Yes
Silicon	7440-21-3	No	No	Yes	Yes	Yes	Yes
Tin	7440-31-5	Yes	Yes	Yes	Yes	Yes	Yes
Aluminum	7429-90-5	Yes	Yes	Yes	Yes	Yes	Yes
Chromium (related to Chromium compounds)	7440-47-3	Yes ¹	Yes	Yes	Yes	Yes	Yes
Nickel (related to Nickel compounds)	7440-02-0	Yes ¹	Yes	Yes	Yes	Yes	Yes
Copper	7440-50-8	Yes	Yes	Yes	Yes	Yes	Yes
Antimony	7440-36-0	Yes	Yes	Yes	Yes	Yes	Yes

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

Canadian WHMIS Information

D2A, D2B Materials Causing Other Toxic Effects

Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Manganese	7439-96-5	1%; English Item 974; French Item 1077
Tin	7440-31-5	1%; English Item 1571; French Item 804
Chromium	7440-47-3	0.1%; English Item 399; French Item 561
Nickel	7440-02-0	0.1%; English Item 1126; French Item 1193

Additional Regulatory Information

A: General Product Information

No information available for the product.

Material Safety Data Sheet

Material Name: Iron Alloy (Steel)

ID: NS-001

B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	EINECS
Iron	7439-89-6	Yes	Yes	Yes
Zinc	7440-66-6	Yes	Yes	Yes
Manganese	7439-96-5	Yes	Yes	Yes
Silicon	7440-21-3	Yes	Yes	Yes
Tin	7440-31-5	Yes	Yes	Yes
Aluminum	7429-90-5	Yes	Yes	Yes
Chromium	7440-47-3	Yes	Yes	Yes
Nickel	7440-02-0	Yes	Yes	Yes
Copper	7440-50-8	Yes	Yes	Yes
Antimony	7440-36-0	Yes	Yes	Yes

*** Section 16 - Other Information ***

Other Information

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.

Supersedes MSDS for this product from 10/1997.

Key/Legend

ACGIH = American Conference of Governmental Industrial Hygienists. CERCLA = Comprehensive Environmental Response, Compensation and Liability Act. CFR = Code of Federal Regulations. DSL = Canadian Domestic Substance List. EINECS = European Inventory of New and Existing Chemical Substances. EPA = Environmental Protection Agency. HEPA = High Efficiency Particulate Air. HMIS = Hazardous Material Information System. IARC = International Agency for Research on Cancer. NFPA = National Fire Protection Association. NIOSH = National Institute of Occupational Safety and Health. NJTSR = New Jersey Trade Secret Registry. NTP = National Toxicology Program. OSHA = Occupational Safety and Health Administration. NA = Not available or Not Applicable. SARA = Superfund Amendments and Reauthorization Act. TLV = Threshold Limit Value. TSCA = Toxic Substance Control Act. WHMIS = Workplace Hazardous Materials Information System.

Contact Person: Tamara J. Freeman

Contact Phone: (574) 273-7558

This is the end of MSDS # NS-001

**ALUMAX****MILL PRODUCTS INC.
MATERIAL SAFETY DATA SHEET****ALUMINUM SHEET
COMMON NAME**

Date Prepared: 03/29/96

SECTION 1 - COMPANY INFORMATIONManufacturer:
ALUMAX MILL PRODUCTS
1480 MANHEIM PIKE
LANCASTER, PA 17604

Telephone No. (717) 393-9641

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Alloy Components:	OSHA PEL	%	CAS NO.
ALUMINUM	METAL - 5mg/m3 (RESP. DUST)	87-99	7429-90-5
	OXIDE - 5mg/m3 (RESP. DUST)		1344-28-1
	5mg/m3 (FUME)		
COPPER	1mg/m3 (DUST)	.15-.50	7440-50-8
	.1mg/m3 (FUME)		
NICKEL	.1mg/m3 (FUME)	.02-.05	7440-02-0
MANGANESE	5mg/m3 (DUST)	.2-1.5	7439-96-5
TITANIUM	OXIDE - 10mg/m3 (DUST)	.03-.20	13463-67-7
SILICON	5mg/m3 (RESP. DUST)	.10-13.0	7440-21-3
IRON	OXIDE - 10mg/m3 (DUST)	.35-.7	1309-37-1
	10mg/m3 (FUME)		
MAGNESIUM	10mg/m3 (FUME)	.01-5.0	1309-48-4
CHROMIUM	0.5mg/m3 (METAL)	.05-.1	7440-47-3
ZINC	OXIDE - 5mg/m3 (FUME)	.01-1.3	1314-13-2

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point: N/A	Specific Gravity (H2O=1) 2.7	Vapor Pressure: N/A
Vapor Density (air=1): N/A	Evaporation Rate (=1) N/A	% Volatile by Vol(%): N/A
Solubility in Water: NONE IN SOLID STATE		Reactivity in Water: N/A
Appearance and Odor: SILVERY DUCTILE METAL, NO ODOR		
Melting Point: 660°C		

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)

Health 1 Flammability 0 Reactivity 0 P.P.E. B

SECTION 4 - FIRE AND EXPLOSION DATA

Flash Point: N/A	Flammable Limits in Air by Volume:	LEL Lower: N/A	UEL Upper: N/A
Auto-ignition Temperature: N/A	Extinguisher Media: DOES NOT BURN		

Special Fire Fighting Procedures: MATERIAL ONLY BURNS IF IN FINE POWDER OR FLAKE FORM. USE DRY POWDER OR SAND FOR EXTINGUISHMENT. DO NOT USE WATER OR HALOGEN EXTINGUISHING AGENT.

Unusual Fire and Explosion Hazards: WATER, OXIDIZERS AND OTHER CHEMICALS REACT EXPLO-
SIVELY IN CONTACT WITH MOLTEN ALUMINUM. FINE CHIPS, DUSTS AND TURNINGS IN AIR MAY
EXPLODE IF IGNITION SOURCE PRESENT.

OVER

SECTION 5 - PHYSICAL HAZARDS/REACTIVITY DATA

Stability: Unstable ☐
Stable ☒ Conditions to Avoid:

Incompatibility (Materials to Avoid): FINELY DIVIDED ALUMINUM MAY REACT WITH WATER, STRONG OXIDIZERS, ACIDS AND HALOGENATED COMPOUNDS WHICH RESULT IN HYDROGEN EVOLUTION.

Hazardous Decomposition Products: NONE IN SOLID STATE

Hazardous Polymerization May Occur ☐
Will Not Occur ☒ Conditions to Avoid:

SECTION 6 - HEALTH HAZARDS

1. Acute: SHORTNESS OF BREATH FROM INHALATION OF DUST

2. Chronic: AGGRAVATES RESPIRATORY ILLNESSES

Signs and Symptoms of Overexposure: BREATHING DISTRESS

Medical Conditions Generally Aggravated by Exposure: AGGRAVATES RESPIRATORY ILLNESSES SUCH AS ASTHMA AND BRONCHITIS.

Chemical Listed as Carcinogen or Potential Carcinogen National Toxicology Program: Yes ☐
No ☒

I.A.R.C. Yes ☐
Monographs: No ☒ OSHA: Yes ☐
No ☒

Emergency and First Aid Procedures:

ROUTES OF ENTRY

1. Inhalation - REMOVE TO FRESH AIR. GET MEDICAL ATTENTION.
2. Eyes - FLUSH WITH WATER FOR AT LEAST 20 MIN. GET MEDICAL ATTENTION.
3. Skin - IN MOLTEN STATE, USE COPIOUS AMOUNTS OF POTABLE WATER ON BURNED AREA. GET MEDICAL ATTENTION AS SOON AS POSSIBLE.
4. Ingestion - N/A

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage: HANDLE MOLTEN ALUMINUM ACCORDING TO THE ALUMINUM ASSOCIATION'S "GUIDELINES FOR HANDLING MOLTEN ALUMINUM"

Other Precautions: STORE DROSS IN A DRY PLACE DUE TO FORMATION OF METHANE AND AMMONIA IN WET ATMOSPHERES. OZONE AND FUME EVOLVED WHILE WELDING/ARC GOUGING ALUMINUM. MATERIAL MAY BE COATED WITH LUBRICANTS, WAXES, ORGANIC SOLVENTS OR PAINT AT THE REQUEST OF THE CUSTOMER. HAZARDS PRESENT WITH THESE COATINGS MUST BE ADDRESSED INDIVIDUALLY FROM SEPARATE SAFETY DATA SHEETS, AVAILABLE FROM ALUMAX MILL PRODUCTS UPON REQUEST. THESE COATINGS ARE TRACEABLE WITH THE ALUMAX ORDER NUMBER.

Steps to be Taken in Case Material is Released or Spilled: N/A

Waste Disposal Methods (Consult Federal, State & Local Regulations): COLLECT SCRAP FOR REMELTING.

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection (Specify Type): NONE FOR HANDLING SOLID STATE. IF DUST/FINES PRESENT USE NIOSH APPROVED RESPIRATOR - 3M 8710 OR EQUIVALENT.

Ventilation: AS REQUIRED FOR DUST/FUME CONTROL.

Protective Gloves: CUT RESISTANT

Eye Protection: SAFETY GLASSES

SEE THE ALUMINUM ASSOCIATION GUIDELINES FOR HANDLING MOLTEN ALUMINUM.

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any responsibility or warranty, express or implied regarding the accuracy or correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

Certification of Test Results

SOLD TO	AMERIMAX HOME PRODUCTS SUB OF EURAMAX INTL 450 RICHARDSON DRIVE P O BOX 4515 LANCASTER, PA 17604-4515	SHIP TO	AMERIMAX HOME PRODUCTS 450 RICHARDSON DRIVE LANCASTER , PA 17604	CERT NO 0001083285 DATE 5/20/2009 SKID NO 802123 SKID WGT 4,003 PAGE 1 OF 1
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ORDER NO	LK5764	PO NO	113921-7				MILL FINISH
ITEM NO	1	PART NO					NON ANODIZE QUALITY
ALLOY	0437	TEMPER	H25P	FORM	COIL		OUT: STANDARD MILL FINISH
GAUGE	.02100	WIDTH	10.5000	LENGTH	0.0000		IN: STANDARD MILL FINISH
							NOT EMBOSSSED

LOT: 403576 COIL: B04, B05 DROP: 94255B

INGOT	SI	FE	CU	MN	MG	CR	NI	ZN	TI
94255B3	1.6	0.44	0.23	0.69	0.40	0.03	0.006	0.20	0.06

HEAD ULTIMATE STRENGTH 29.2 KSI
 TAIL ULTIMATE STRENGTH 29.3 KSI
 HEAD YIELD STRENGTH (OFFSET = .2%) 27.3 KSI
 TAIL YIELD STRENGTH (OFFSET = .2%) 27.1 KSI
 HEAD ELG IN 2 IN., AT FRACTURE 10 %
 TAIL ELG IN 2 IN., AT FRACTURE 10 %

CHEMICAL COMPOSITION ACCORDING TO ASTM E-1251-07
 CHEMISTRY EXPRESSED AS % W/W FOR EACH REPORTED ELEMENT
 MECHANICAL PROPERTIES ACCORDING TO ASTM B-557-06

** END OF CERTIFICATION **

We hereby certify that, unless otherwise indicated, the material covered by this report has been manufactured, inspected, and tested in accordance with, and has been found to meet, the applicable requirements described herein, including any specifications forming a part of the description and that samples representative of the material met the composition. Also, note that mercury is not a normal contaminant in aluminum alloys and neither it nor any of its compounds are used in the manufacture of our product. Certification of test results shall not be reproduced except in full.

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Authorized By:

JEFF KREADY, LAB SUPERVISOR

Certification of Test Results

SOLD TO
AMERIMAX HOME PRODUCTS
SUB OF EURAMAX INTL
450 RICHARDSON DRIVE
P.O. BOX 4515
LANCASTER, PA 17604-4515

SHIP TO
AMERIMAX HOME PRODUCTS
450 RICHARDSON DRIVE
LANCASTER, PA 17604

CERT NO 0001083284
DATE 5/20/2009
SKID NO 801977
SKID WGT 3,798
PAGE 1 OF 1

ORDER NO	LK5764	PO NO	113921-7				MILL FINISH
ITEM NO	1	PART NO					NON ANODIZE QUALITY
ALLOY	0437	TEMPER	H25P	FORM	COIL		OUT: STANDARD MILL FINISH
GAUGE	.02100	WIDTH	10.5000	LENGTH	0.0000		IN: STANDARD MILL FINISH
							NOT EMBOSSED

LOT: 403576 COIL: A04, A05 DROP: 94255B

INGOT	SI	FE	CU	MN	MG	CR	NI	ZN	TI
94255B3	1.6	0.44	0.23	0.69	0.40	0.03	0.006	0.20	0.06

HEAD ULTIMATE STRENGTH 29.2 KSI
TAIL ULTIMATE STRENGTH 29.3 KSI
HEAD YIELD STRENGTH (OFFSET = .2%) 27.3 KSI
TAIL YIELD STRENGTH (OFFSET = .2%) 27.1 KSI
HEAD ELG IN 2 IN., AT FRACTURE 10 %
TAIL ELG IN 2 IN., AT FRACTURE 10 %

CHEMICAL COMPOSITION ACCORDING TO ASTM E-1251-07
CHEMISTRY EXPRESSED AS % W/W FOR EACH REPORTED ELEMENT
MECHANICAL PROPERTIES ACCORDING TO ASTM B-557-06

** END OF CERTIFICATION **

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Authorized By:

JEFF KREADY, LAB SUPERVISOR

Certification of Test Results

SOLD TO	AMERIMAX HOME PRODUCTS	SHIP TO	AMERIMAX HOME PRODUCTS
	SUB OF EURAMAX INTL		450 RICHARDSON DRIVE
	450 RICHARDSON DRIVE		LANCASTER , PA 17604
	P O BOX 4515		
	LANCASTER, PA 17604-4515		

CERT NO 0001083085
DATE 5/19/2009
SKID NO 801981
SKID WGT 6,455
PAGE 1 OF 1

ORDER NO	LK5763	PO NO	113921-7			MILL FINISH
ITEM NO	1	PART NO	0119081750			NON ANODIZE QUALITY
ALLOY	0437	TEMPER	H25P	FORM	COIL	OUT: STANDARD MILL FINISH
GUAGE	.01620	WIDTH	17.5000	LENGTH	0.0000	IN: STANDARD MILL FINISH
						NOT EMBOSSED

LOT: 403475 COIL: A03, B01 DROP: 94259F

INGOT	SI	FE	CU	MN	MG	CR	NI	ZN	TI
94259F3	1.6	0.41	0.22	0.73	0.46	0.02	0.006	0.20	0.05

HEAD ULTIMATE STRENGTH 27.4 KSI
TAIL ULTIMATE STRENGTH 27.1 KSI
HEAD YIELD STRENGTH (OFFSET = .2%) 25.0 KSI
TAIL YIELD STRENGTH (OFFSET = .2%) 24.7 KSI
HEAD ELG IN 2 IN., AT FRACTURE 12 %
TAIL ELG IN 2 IN., AT FRACTURE 12 %

CHEMICAL COMPOSITION ACCORDING TO ASTM E-1251-07
CHEMISTRY EXPRESSED AS % W/W FOR EACH REPORTED ELEMENT
MECHANICAL PROPERTIES ACCORDING TO ASTM B-557-06

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Authorized By:

JEFF KREADY, LAB SUPERVISOR

Certification of Test Results

SOLD TO	AMERIMAX HOME PRODUCTS	SHIP TO	AMERIMAX HOME PRODUCTS
	SUB OF EURAMAX INTL		450 RICHARDSON DRIVE
	450 RICHARDSON DRIVE		LANCASTER, PA 17604
	P O BOX 4515		
	LANCASTER, PA 17604-4515		

CERT NO 0001083014
DATE 5/19/2009
SKID NO 801948
SKID WGT 5,880
PAGE 1 OF 1

ORDER NO	LK5288	PO NO	114841-16				MILL FINISH
ITEM NO	1	PART NO	0117081637				NON ANODIZE QUALITY
ALLOY	0437	TEMPER	H25P	FORM	COIL		OUT: STANDARD MILL FINISH
GAUGE	.01620	WIDTH	16.3750	LENGTH	0.0000		IN: STANDARD MILL FINISH
							NOT EMBOSSED

LOT: 403478 COIL: A03, A04 DROP: 94259C

INGOT	SI	FE	CU	MN	MG	CR	NI	ZN	TI
94259C1	1.6	0.38	0.24	0.72	0.45	0.02	0.005	0.13	0.07

HEAD ULTIMATE STRENGTH 28.2 KSI
TAIL ULTIMATE STRENGTH 26.8 KSI
HEAD YIELD STRENGTH (OFFSET = .2%) 26.0 KSI
TAIL YIELD STRENGTH (OFFSET = .2%) 24.7 KSI
HEAD ELG IN 2 IN., AT FRACTURE 10.5 %
TAIL ELG IN 2 IN., AT FRACTURE 10 %

CHEMICAL COMPOSITION ACCORDING TO ASTM E-1251-07
CHEMISTRY EXPRESSED AS % W/W FOR EACH REPORTED ELEMENT
MECHANICAL PROPERTIES ACCORDING TO ASTM B-557-06

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Authorized By:

JEFF KREADY, LAB SUPERVISOR

Certification of Test Results

SOLD TO	AMERIMAX HOME PRODUCTS SUB OF EURAMAX INTL 450 RICHARDSON DRIVE P O BOX 4515 LANCASTER, PA 17604-4515	SHIP TO	AMERIMAX HOME PRODUCTS 450 RICHARDSON DRIVE LANCASTER, PA 17604	CERT NO 0001083013 DATE 5/19/2009 SKID NO 801946 SKID WGT 5,940 PAGE 1 OF 1
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ORDER NO	LK5288	PO NO	114841-16				MILL FINISH
ITEM NO	1	PART NO	0117081637				NON ANODIZE QUALITY
ALLOY	0437	TEMPER	H25P	FORM	COIL		OUT: STANDARD MILL FINISH
GAUGE	.01620	WIDTH	16.3750	LENGTH	0.0000		IN: STANDARD MILL FINISH
							NOT EMBOSSED

LOT: 403477 COIL: B03, B04 DROP: 94259E

INGOT	SI	FE	CU	MN	MG	CR	NI	ZN	TI
94259E1	1.7	0.43	0.19	0.77	0.45	0.03	0.006	0.09	0.05

HEAD ULTIMATE STRENGTH 26.1 KSI
 TAIL ULTIMATE STRENGTH 26.2 KSI
 HEAD YIELD STRENGTH (OFFSET = .2%) 23.8 KSI
 TAIL YIELD STRENGTH (OFFSET = .2%) 23.8 KSI
 HEAD ELG IN 2 IN., AT FRACTURE 13 %
 TAIL ELG IN 2 IN., AT FRACTURE 12.5 %

CHEMICAL COMPOSITION ACCORDING TO ASTM E-1251-07
 CHEMISTRY EXPRESSED AS % W/W FOR EACH REPORTED ELEMENT
 MECHANICAL PROPERTIES ACCORDING TO ASTM B-557-06

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Authorized By:

JEFF KREADY, LAB SUPERVISOR

Certification of Test Results

SOLD TO	AMERIMAX HOME PRODUCTS SUB OF EURAMAX INTL 450 RICHARDSON DRIVE P O BOX 4515 LANCASTER, PA 17604-4515	SHIP TO	AMERIMAX HOME PRODUCTS 450 RICHARDSON DRIVE LANCASTER, PA 17604	CERT NO 0001083012
			DATE 5/19/2009	
				SKID NO 801941
				SKID WGT 5,915
				PAGE 1 OF 1

ORDER NO	LK5288	PO NO	114841-16				MILL FINISH
ITEM NO	1	PART NO	0117081637				NON ANODIZE QUALITY
ALLOY	0437	TEMPER	H25P	FORM	COIL		OUT: STANDARD MILL FINISH
GAUGE	.01620	WIDTH	16.3750	LENGTH	0.0000		IN: STANDARD MILL FINISH
							NOT EMBOSSED

LOT: 403477 COIL: A03, A04 DROP: 94259E

INGOT	SI	FE	CU	MN	MG	CR	NI	ZN	TI
94259E1	1.7	0.43	0.19	0.77	0.45	0.03	0.006	0.09	0.05

HEAD ULTIMATE STRENGTH 26.1 KSI
TAIL ULTIMATE STRENGTH 26.2 KSI
HEAD YIELD STRENGTH (OFFSET = .2%) 23.8 KSI
TAIL YIELD STRENGTH (OFFSET = .2%) 23.8 KSI
HEAD ELG IN 2 IN., AT FRACTURE 13 %
TAIL ELG IN 2 IN., AT FRACTURE 12.5 %

CHEMICAL COMPOSITION ACCORDING TO ASTM E-1251-07
CHEMISTRY EXPRESSED AS % W/W FOR EACH REPORTED ELEMENT
MECHANICAL PROPERTIES ACCORDING TO ASTM B-557-06

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Authorized By:

JEFF KREADY, LAB SUPERVISOR

Certification of Test Results

SOLD TO	AMERIMAX HOME PRODUCTS SUB OF EURAMAX INTL 450 RICHARDSON DRIVE P O BOX 4515 LANCASTER, PA 17604-4515	SHIP TO	AMERIMAX HOME PRODUCTS 450 RICHARDSON DRIVE LANCASTER, PA 17604	CERT NO 0001083511 DATE 5/21/2009 SKID NO 802277 SKID WGT 6,040 PAGE 1 OF 1
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ORDER NO	LK5288	PO NO	114841-16		MILL FINISH NON ANODIZE QUALITY OUT: STANDARD MILL FINISH IN: STANDARD MILL FINISH NOT EMBOSSED
ITEM NO	1	PART NO	0117081637		
ALLOY	0437	TEMPER	H25P	FORM COIL	
GAUGE	.01620	WIDTH	16.3750	LENGTH 0.0000	

LOT: 403715 COIL: A01, A02 DROP: 94255B

INGOT	SI	FE	CU	MN	MG	CR	NI	ZN	TI
94255B1	1.6	0.44	0.23	0.69	0.40	0.03	0.006	0.20	0.06

HEAD ULTIMATE STRENGTH 27.9 KSI
 TAIL ULTIMATE STRENGTH 28.2 KSI
 HEAD YIELD STRENGTH (OFFSET = .2%) 25.9 KSI
 TAIL YIELD STRENGTH (OFFSET = .2%) 26.1 KSI
 HEAD ELG IN 2 IN., AT FRACTURE 10.5 %
 TAIL ELG IN 2 IN., AT FRACTURE 11.5 %

CHEMICAL COMPOSITION ACCORDING TO ASTM E-1251-07
 CHEMISTRY EXPRESSED AS % W/W FOR EACH REPORTED ELEMENT
 MECHANICAL PROPERTIES ACCORDING TO ASTM B-557-06

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Authorized By:

JEFF KREADY, LAB SUPERVISOR

Certification of Test Results

SOLD TO	AMERIMAX HOME PRODUCTS	SHIP TO	AMERIMAX HOME PRODUCTS	CERT NO 0001083509
	SUB OF EURAMAX INTL		450 RICHARDSON DRIVE	DATE 5/21/2009
	450 RICHARDSON DRIVE		LANCASTER, PA 17604	SKID NO 802477
	P O BOX 4515			SKID WGT 2,966
	LANCASTER, PA 17604-4515			PAGE 1 OF 1

ORDER NO	LK5286	PO NO	114841-17			MILL FINISH
ITEM NO	1	PART NO	0119081565			NON ANODIZE QUALITY
ALLOY	0437	TEMPER	H25P	FORM	COIL	OUT: STANDARD MILL FINISH
GAUGE	.01620	WIDTH	15.6563	LENGTH	0.0000	IN: STANDARD MILL FINISH
						NOT EMBOSSED

LOT: 403886 COIL: B04 DROP: 94259F

INGOT	SI	FE	CU	MN	MG	CR	NI	ZN	TI
94259F2	1.6	0.41	0.22	0.73	0.46	0.02	0.006	0.20	0.05

HEAD ULTIMATE STRENGTH 27.4 KSI
TAIL ULTIMATE STRENGTH 27.7 KSI
HEAD YIELD STRENGTH (OFFSET = .2%) 25.2 KSI
TAIL YIELD STRENGTH (OFFSET = .2%) 25.5 KSI
HEAD ELG IN 2 IN., AT FRACTURE 11.5 %
TAIL ELG IN 2 IN., AT FRACTURE 10.5 %

CHEMICAL COMPOSITION ACCORDING TO ASTM E-1251-07
CHEMISTRY EXPRESSED AS % W/W FOR EACH REPORTED ELEMENT
MECHANICAL PROPERTIES ACCORDING TO ASTM B-557-06

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AMERIMAX STEEL USEAGE

8/3/2009

2006	37301389 SQ FT	9097597 LBS
MANGANESE	1.70%	154659.1
CHROMIUM	0.50%	45487.99
2007	38306843 SQ FT	9342822 LBS
MANGANESE	1.70%	158828
CHROMIUM	0.50%	46714.11